



# Uniphos Chemicals

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## XF-5150 (THPS)

**XF-5150 (THPS)** is a biocide effective against micro-pest in industrial cooling systems, oil field operations, and paper-making industry. The advantage is it will soon degrade to a nontoxic substance immediately after use. Also, it can be applied to fabric coating, obviously improving flame retarding property.

<b>Trade Name</b>	XF-5150 (THPS)
<b>Abbreviation</b>	THPS
<b>Chemical Name</b>	Tetrakis (Hydroxymethyl) Phosphonium Sulphate
<b>Molecular Formula</b>	$[(\text{CH}_2\text{OH})_4\text{P}]_2\text{SO}_4$
<b>Molecular Weight</b>	406.2
<b>CAS Number</b>	55566-30-8

### Typical Properties

<b>Appearance</b>	Colorless to clear light yellow liquid
<b>Odor</b>	Characteristic
<b>Active Content</b>	$\geq 75\%$
<b>Specific Gravity</b>	1.37 – 1.42 g/ml @ 25°C
<b>pH (as is)</b>	2.5-5.5
<b>Viscosity @ 20°C</b>	18-39 cps (mPa.s)

### Packaging

250kgs per PE drum, or 1250kgs per IBC/Tote